



Life in the Mines

by Arya Akhavan (January 2013)

Angles for R.I. = 1.540

97 + 16 girdles = 113 facets

4-fold, mirror-image symmetry

96 index

L/W = 1.000 T/W = 0.432 U/W = 0.432

P/W = 0.514 C/W = 0.173

Vol./W³ = 0.253

PAVILION

P1	43.87°	03-09-15-21- 27-33-39-45- 51-57-63-69- 75-81-87-93	Cut to centerpoint.
G1	90.00°	02-22-26-46- 50-70-74-94	Set stone size.
G2	90.00°	06-18-30-42- 54-66-78-90	Meet P1, G1
P2	56.74°	06-18-30-42- 54-66-78-90	Meet P1, G2 (level girdle)
P3	57.65°	02-22-26-46- 50-70-74-94	Level girdle.
P4	42.87°	04-08-16-20- 28-32-40-44- 52-56-64-68- 76-80-88-92	Meet P1, P2, P3

CROWN

C2	38.60°	06-18-30-42- 54-66-78-90	Meet G1, G2, C1
C1	36.64°	02-22-26-46- 50-70-74-94	Set girdle width.
C3	34.68°	04-20-28-44- 52-68-76-92	Meet G1, G2, C1, C2
C4	33.74°	01-23-25-47- 49-71-73-95	Meet G1, C1
C5	30.00°	03-21-27-45- 51-69-75-93	Meet C1, C3, C4; C2, C3
C6	26.15°	02-22-26-46- 50-70-74-94	Meet C4, C5
T	0.00°	Table	Meet C5, C6

While playing some Donkey Kong Country and listening to "Life in the Mines", I decided I wanted an Old Mine-style barion, but couldn't remember what the standard crown was. So, I wrote this instead. Works in materials from orthoclase to rutile (RI = 1.52 - 2.62) with no changes, but I prefer it in pink-flash amethyst. Suggested size = 9-12 mm

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